

**Amendments to the claims**

Please amend claim 1 as shown in the following listing of claims. This listing of claims will replace all prior versions, and listings, of claims in the application.

1 1. (currently amended) A wireless communication system, comprising:  
2 a base station communication device including a carrier wave-  
3 based transmitter and further including an ultrawideband receiver; and  
4 a mobile communication device including a carrier wave-based  
5 receiver and further including an ultrawideband transmitter;  
6 wherein carrier wave communications are carried out in a forward  
7 channel from said base station communication device to said mobile  
8 communication device, and ultrawide band communications are carried out in a  
9 reverse channel from said mobile communication device to said base station  
10 communication device.

1 2. (original) The wireless communication system of claim 1, wherein said  
2 wireless communication system comprises a radio system.

1 3. (original) The wireless communication system of claim 1, wherein said  
2 wireless communication system comprises a cellular telephone system.

1 4. (original) The wireless communication system of claim 1, wherein said  
2 wireless communication system comprises a satellite telephone system.

1 5. (original) The wireless communication system of claim 1, wherein said  
2 wireless communication system comprises a pager system.

1 6. (original) The wireless communication system of claim 1, wherein said  
2 base station communication device is connected to a land line.

1 7. (original) A wireless communication system, comprising:  
2 a base station communication device including a carrier wave-  
3 based transmitter capable of transmitting a carrier wave-based signal and further  
4 including an ultrawideband receiver capable of receiving an ultrawideband signal;  
5 and  
6 a mobile communication device including a carrier wave-based  
7 receiver capable of receiving said carrier wave-based signal and further including  
8 an ultrawideband transmitter capable of transmitting said ultrawideband signal.

1 8. (original) The wireless communication system of claim 7, wherein said  
2 wireless communication system comprises a radio system.

1 9. (original) The wireless communication system of claim 7, wherein said  
2 wireless communication system comprises a cellular telephone system.

1 10. (original) The wireless communication system of claim 7, wherein said  
2 wireless communication system comprises a satellite telephone system.

1 11. (original) The wireless communication system of claim 7, wherein said  
2 wireless communication system comprises a pager system.

1 12. (original) The wireless communication system of claim 7, wherein said  
2 base station communication device is connected to a land line.

1 13. (original) A method of wireless communication, comprising the steps of:  
2 carrying out communication from a base station communication  
3 device to a mobile communication device using a carrier wave-based transmission  
4 signal; and  
5 carrying out communication from said mobile communication  
6 device to said base station communication device using an ultrawideband  
7 transmission pulse train.